

# PATENT ABSTRACTS OF JAPAN

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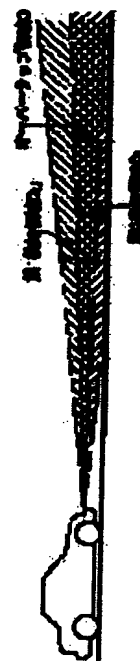
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## (54) OBJECT DETECTING DEVICE

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To reliably judge the vertical displacement of a detection region where electromagnetic waves are transmitted in an object detecting device using electromagnetic waves.

**SOLUTION:** A detection region where electromagnetic waves are transmitted forward in the preceding direction from a vehicle to detect an obstacle such as a preceding vehicle is constituted of a first detection region DU slightly upward against the road surface and a second detection region DL slightly downward against the road surface, and the reflected waves of the first and second detection regions DU, DL are compared in reception intensity. When both reflected waves nearly coincide in reception intensity, the vertical direction angle of an object detecting device is judged to be adequate. When the reception intensity of the reflected waves of the upper first detection region DU is larger, the angle is judged as downward. When the reception intensity of the reflected waves of the lower second detection region DL is larger, the angle is judged as upward, and the fitting angle of the object detecting device is automatically adjusted.



## LEGAL STATUS

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